



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

CGI Windows and Doors, Inc.

10100 NW 25th Street

Miami, FL 33172

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "450 - Transom" Aluminum Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. W98-38, titled "Transom Lites for Swing Doors", sheets 1 through 5 of 5, dated 05/02/98, with revision J dated 04/10/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida; and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 14-1103.11 and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



Handwritten signature
8/31/15

NOA No. 15-0512.14
Expiration Date: November 19, 2016
Approval Date: September 10, 2015
Page 1


NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA's No. 98-0608.21 and 03-0422.03)
2. Drawing No. **W98-38**, titled Series "Transom Lites for Swing Doors", sheets 1 through 5 of 5, dated 05/02/98, with revision J dated 04/10/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

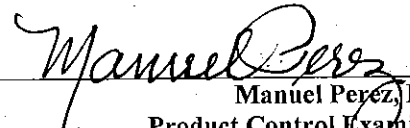
1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a series 7500 PVC fixed window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. **CTLA-3056 WA**, dated 03/03/15, signed and sealed by Ramesh C. Patel, P.E.
2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a series 7400 PVC project out window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. **CTLA-3056 WB**, dated 03/03/15, signed and sealed by Ramesh C. Patel, P.E.
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a series 238 aluminum fixed window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. **CTLA-3056 WC**, dated 04/16/15, signed and sealed by Ramesh C. Patel, P.E.
4. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an outswing aluminum door, prepared by Architectural Testing, Inc., Test Report No. **ATI-B5234.03-450-18**, dated 12/13/11, signed and sealed by Vinu J. Abraham, P.E. *(For reference only)*
(Submitted under NOA No. 11-1110.02)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0512.14
Expiration Date: November 19, 2016
Approval Date: September 10, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

5. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of a series 450 aluminum swing door w/sidelites and transom, prepared by Hurricane Testing Laboratory, Inc., Test Report No. **HTL-0080-0304-11** dated 08/03/11, for specimens #1 through #15, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA No. 11-1110.02)
6. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0080-0402-02**, dated 4/1/02, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA No. 03-0422.03)
7. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum in/outswing door w/sidelites, by Hurricane Testing Laboratory, Inc., Test Report No. **HTL-0080-912-97**, dated 09/23/97 thru 02/27/98 for specimen #1, 2, 3, 5A, 5B and 5C, signed and sealed by Timothy S. Marshall, P.E.
(Submitted under NOA No. 98-0608.21)
8. Tensile Test prepared by Metallurgical, Inc., Report No. **8CM-709**, dated 04/02/98, for aluminum samples, tested per ASTM E-8, signed and sealed by Frank Grate, P.E.
(Submitted under NOA No. 98-0608.21)
9. Tensile Test prepared by Metallurgical, Inc., Report No. **8CM-709**, dated 10/02/98, for aluminum samples, tested per ASTM E-8 and Spectrographic analysis per ASTM E-415, signed and sealed by Frank Grate, P.E.
(Submitted under NOA No. 98-0608.21)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0512.14
Expiration Date: November 19, 2016
Approval Date: September 10, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-5th Edition (2014)**, dated 10/07/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under previous NOA No. 14-1103.11)
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 06/25/15, expiring on 07/04/18.
2. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their "**Butacite® PVB Glass Interlayer**" dated 04/25/15, expiring on 12/11/16.
3. Notice of Acceptance No. **14-0423.15** issued to **Eastman Chemical Company (MA)** for their "**Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core**" dated 06/19/14, expiring on 12/11/18.
4. Notice of Acceptance No. **14-0423.17** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 06/19/14, expiring on 05/21/16.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, and of no financial interest; dated October 7, 2014, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under previous NOA No. 14-1103.11)
2. Laboratory compliance letter for Test Report No. **ATI-B5234.03-450-18**, issued by Architectural Testing, Inc., dated 12/13/11, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA No. 11-1110.02)
3. Laboratory compliance letter for Test Report No. **HTL-0080-0304-11**, issued by Hurricane Test Laboratory, Inc., dated 08/03/11, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA No. 11-1110.02)
4. Laboratory compliance letter for Test Report No. **HTL-0080-0402-02**, issued by Hurricane Test Laboratory, Inc., dated 11/26/02, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA No. 03-0422.03)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0512.14

Expiration Date: November 19, 2016
Approval Date: September 10, 2015

CGI Windows and Doors, Inc.


NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

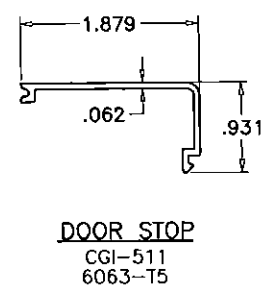
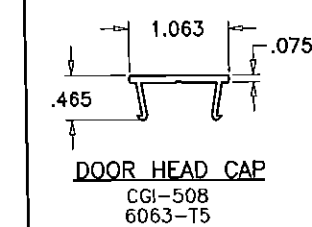
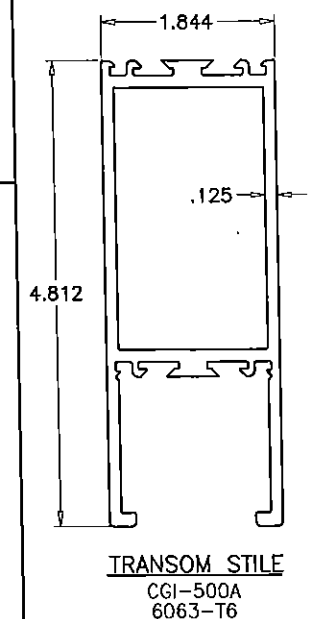
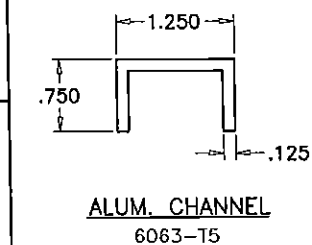
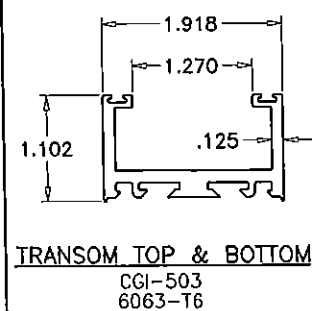
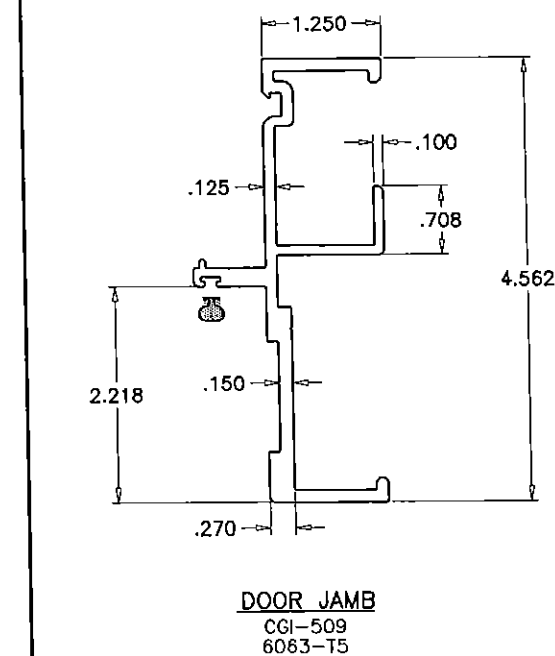
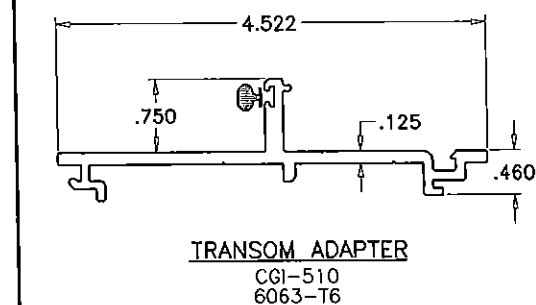
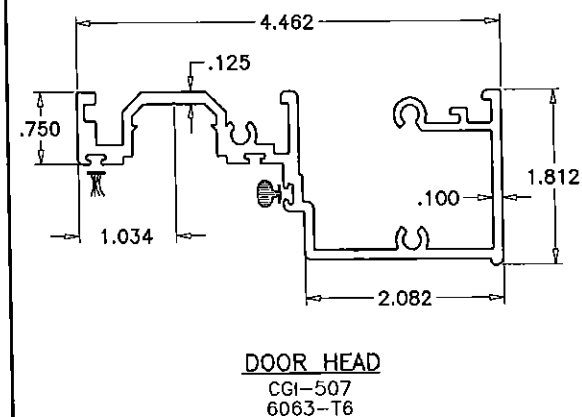
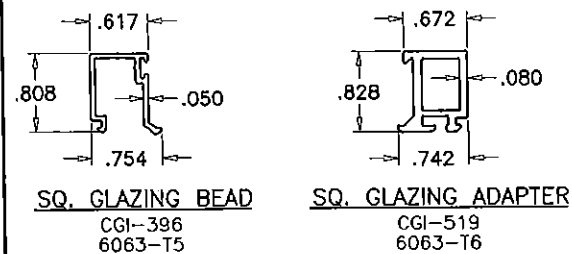
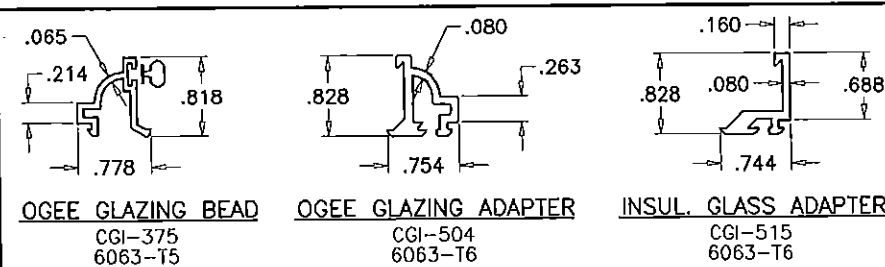
5. Laboratory compliance letter for Test Report No. **HTL-0080-912-97**, issued by Hurricane Test Laboratory, Inc., dated 09/23/97, signed and sealed by Timothy Marshal, P.E.
(Submitted under NOA No. 98-0608.21)
6. Laboratory compliance letter for Test Report No. **8CM-709**, issued by Metallurgical, Inc., dated 04/02/98, signed and sealed by Frank Grate, P.E.
(Submitted under NOA No. 98-0608.21)
7. Test Proposal for the qualification of **Butacite®** PVB glass interlayer by DuPont as well as **Duraseal®** and **Super Spacer® Standard** warm-edge flexible insulating glass spacers, dated December 16, 2014, issued by RER, Product Control Section, signed by Jaime Gascon, P.E., Supervisor, Product Control Section.

G. OTHERS

1. Notice of Acceptance No. **14-1103.11**, issued to CGI Windows & Doors, Inc. for their Series "450 - Transom" Aluminum Fixed Window - L.M.I., approved on 03/05/15 and expiring on 11/19/16.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0512.14

Expiration Date: November 19, 2016
Approval Date: September 10, 2015



NOTES:

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.

TRANSOMS ARE RATED FOR LARGE AND SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

Engr: JAVAD AHMAD
CML
FLA. PE # 70592
C.A.N. 3538
MAY 04 2015

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0512.14
Expiration Date Sept 19, 2016
By *Manuel Diaz*
Miami Dade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W98-38CGI

TRANSOM LITES FOR SWING DOORS

CGI WINDOWS & DOORS
10100 N.W. 25TH STREET
MIAMI, FL. 33172
TEL. (305) 593-6590 FAX. (305) 593-6592

revisions:	no	date	by	description
	G	11.07.11		REV. PER BNC COMMENTS
	H	10.07.14		UPDATED TO 2014 FBC
	I	02.25.15		NO CHANGE THIS SHEET
	J	04.10.15		NO CHANGE THIS SHEET

date: 05-02-98

scale: 1/2" = 1"

dr. by: HAMID

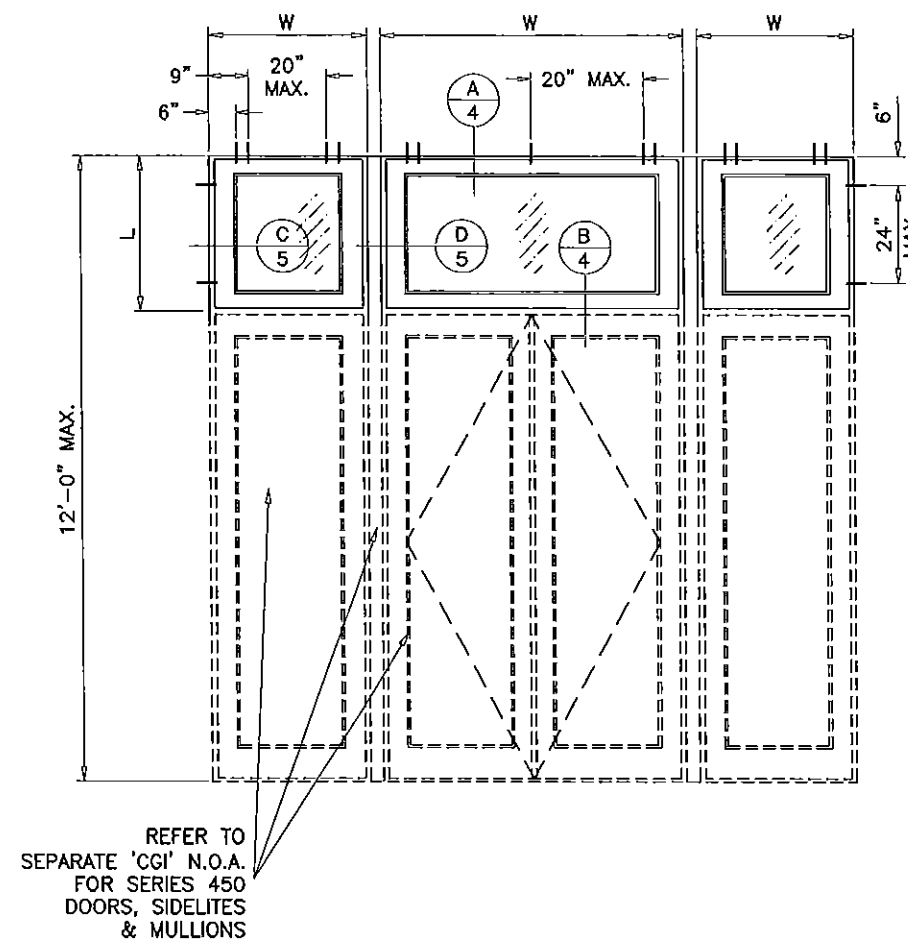
chk. by:

drawing no.
W98-38

sheet 1 of 5

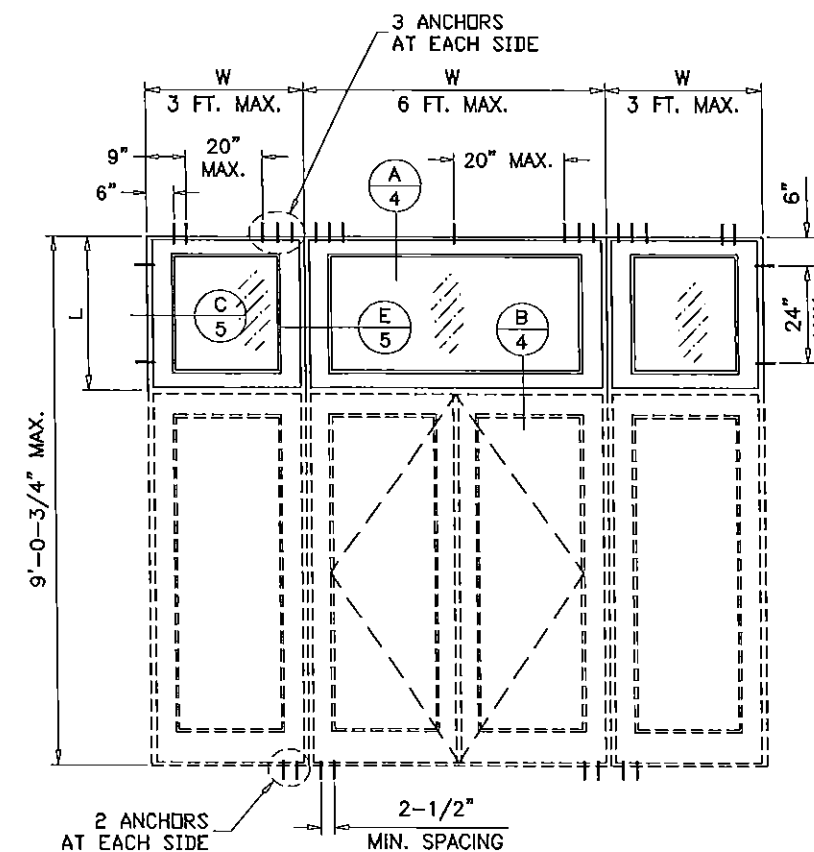
TRANSOM LITE LOAD CAPACITY - PSF							
NOMINAL DIMS.		GLASS TYPE 'A'		GLASS TYPE 'A1'		GLASS TYPES 'B' & 'B1'	
WIDTH W-IN.	HEIGHT L-IN.	7/16" & 1" COMPOSITE PANELS		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36	24	100.0	110.0	70.0	70.0	90.0	90.0
42		100.0	110.0	70.0	70.0	90.0	90.0
48		100.0	110.0	70.0	70.0	90.0	90.0
54		100.0	110.0	70.0	70.0	90.0	90.0
60		100.0	110.0	70.0	70.0	90.0	90.0
66		100.0	107.6	70.0	70.0	90.0	90.0
72	30	90.3	90.3	70.0	70.0	90.0	90.0
36		100.0	110.0	70.0	70.0	90.0	90.0
42		100.0	110.0	70.0	70.0	90.0	90.0
48		100.0	110.0	70.0	70.0	90.0	90.0
54		100.0	110.0	70.0	70.0	90.0	90.0
60		100.0	110.0	70.0	70.0	90.0	90.0
66		100.0	103.6	70.0	70.0	90.0	90.0
72	36	86.8	86.8	70.0	70.0	90.0	90.0
36		100.0	110.0	70.0	70.0	90.0	90.0
42		100.0	110.0	70.0	70.0	90.0	90.0
48		100.0	110.0	70.0	70.0	90.0	90.0
54		100.0	110.0	70.0	70.0	90.0	90.0
60		100.0	110.0	70.0	70.0	90.0	90.0
66		100.0	100.3	70.0	70.0	90.0	90.0
72	42	83.6	83.6	70.0	70.0	86.1	86.1
36		100.0	110.0	70.0	70.0	90.0	90.0
42		85.7	94.3	70.0	70.0	85.7	90.0
48		85.7	94.3	70.0	70.0	85.7	90.0
54		85.7	94.3	70.0	70.0	85.7	90.0
60		85.7	89.8	70.0	70.0	85.7	89.8
36	48	100.0	110.0	70.0	70.0	90.0	90.0
42		85.7	94.3	70.0	70.0	85.7	90.0
48		75.0	82.5	70.0	70.0	75.0	82.5
54		75.0	82.5	70.0	70.0	75.0	82.5
36	54	100.0	110.0	70.0	70.0	90.0	90.0
42		85.7	94.3	70.0	70.0	85.7	90.0
48		75.0	82.5	70.0	70.0	75.0	82.5
36	60	100.0	110.0	70.0	70.0	90.0	90.0
42		85.7	94.3	70.0	70.0	85.7	90.0

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219



TRANSOM WIDTH	D.L. OPG. WIDTH
36"	24-7/8"
42"	30-7/8"
48"	36-7/8"
54"	42-7/8"
60"	48-7/8"
66"	54-7/8"
72"	60-7/8"

TRANSOM HEIGHT	D.L. OPG. HEIGHT
12"	7-3/8"
18"	13-3/8"
24"	19-3/8"
30"	25-3/8"
36"	31-3/8"
42"	37-3/8"
48"	43-3/8"
54"	49-3/8"
60"	55-3/8"



P_{MAX} FOR THIS CONDITION = 72.3 PSF

Engr: JAVAD AHMAD
CIVIL
FLA. REG. # 70592
C.A.A. 3538
MAY 4 2015

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0512.14
Expiration Date Sept 19, 2016
By *Manuel Perez*
Miami Dade Product Control

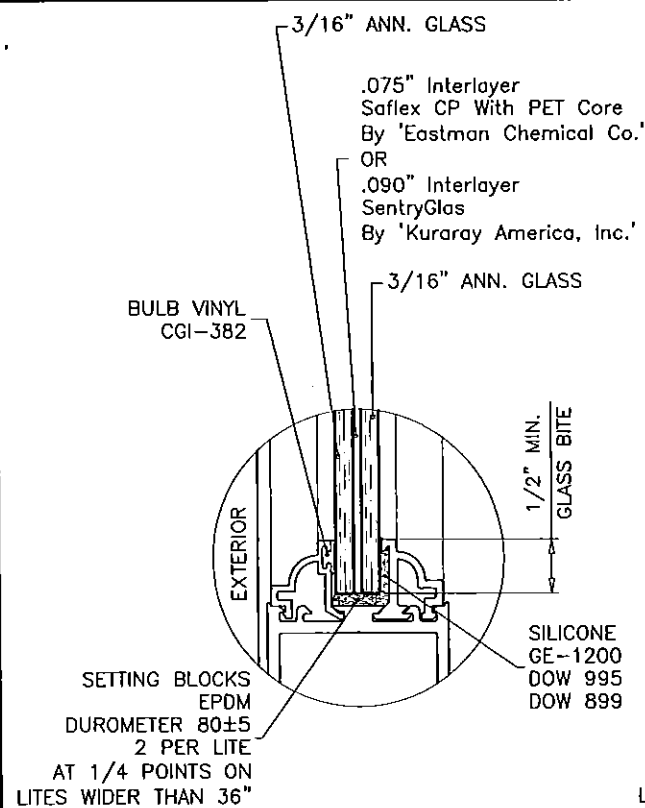
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W98-38CGI

TRANSOM LITES FOR SWING DOORS
CGI WINDOWS & DOORS
10100 N.W. 25TH STREET
MIAMI, FL. 33172
TEL. (305) 593-6590 FAX. (305) 593-6592

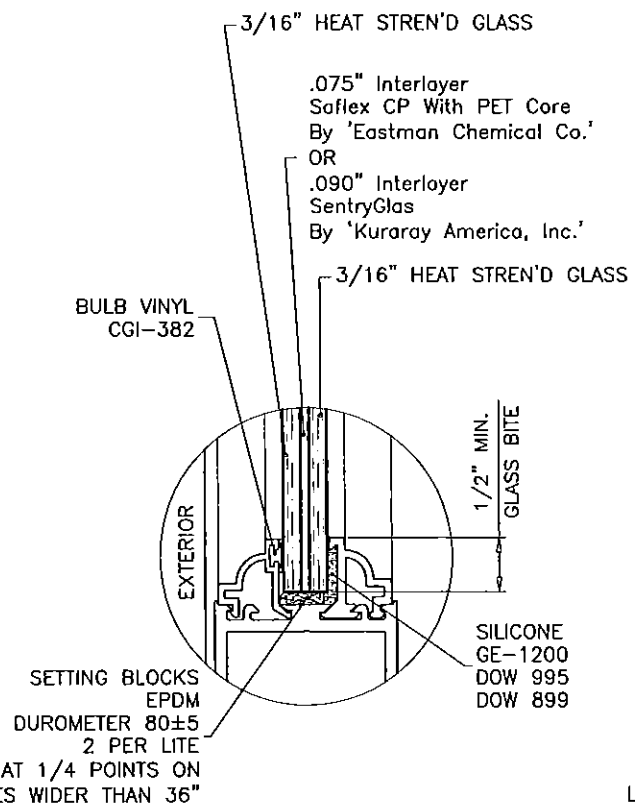
Revisions:	no	date	by	description
	G	11.07.11		REV. PER SBC COMMENTS
	H	10.07.14		UPDATED TO 2014 FBC
	I	02.25.15		REV. PER COMMENTS
	J	04.10.15		NO CHANGE THIS SHEET

date:	05-02-98
scale:	1/2" = 1"
dr. by:	HAMID
chk. by:	

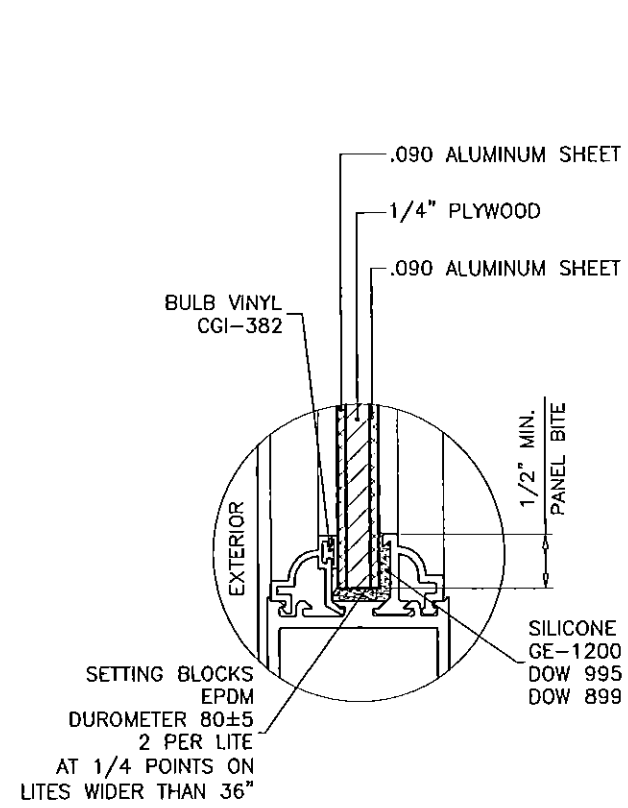
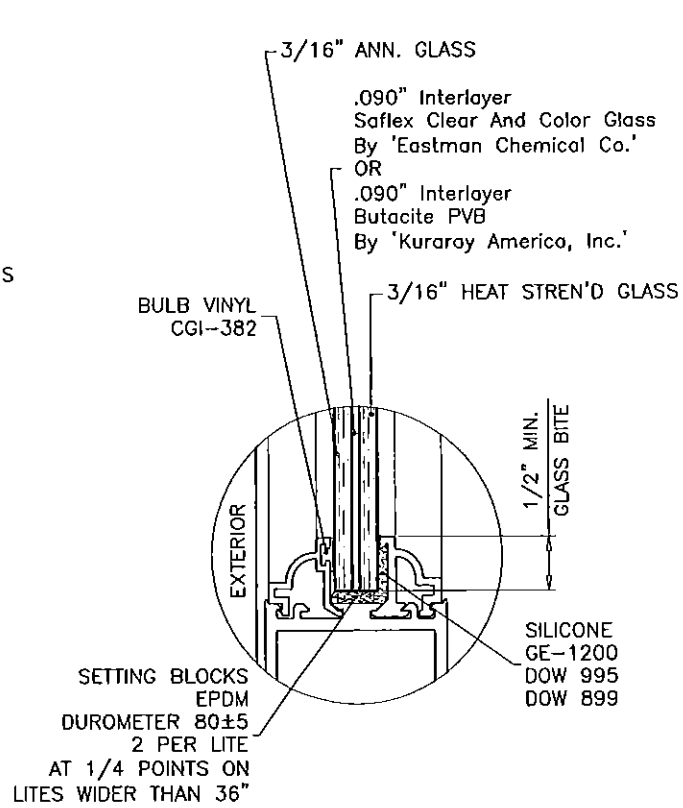
drawing no.	W98-38
sheet	2 of 5



GLASS TYPE 'A'
7/16" OVERALL LAM. GLASS

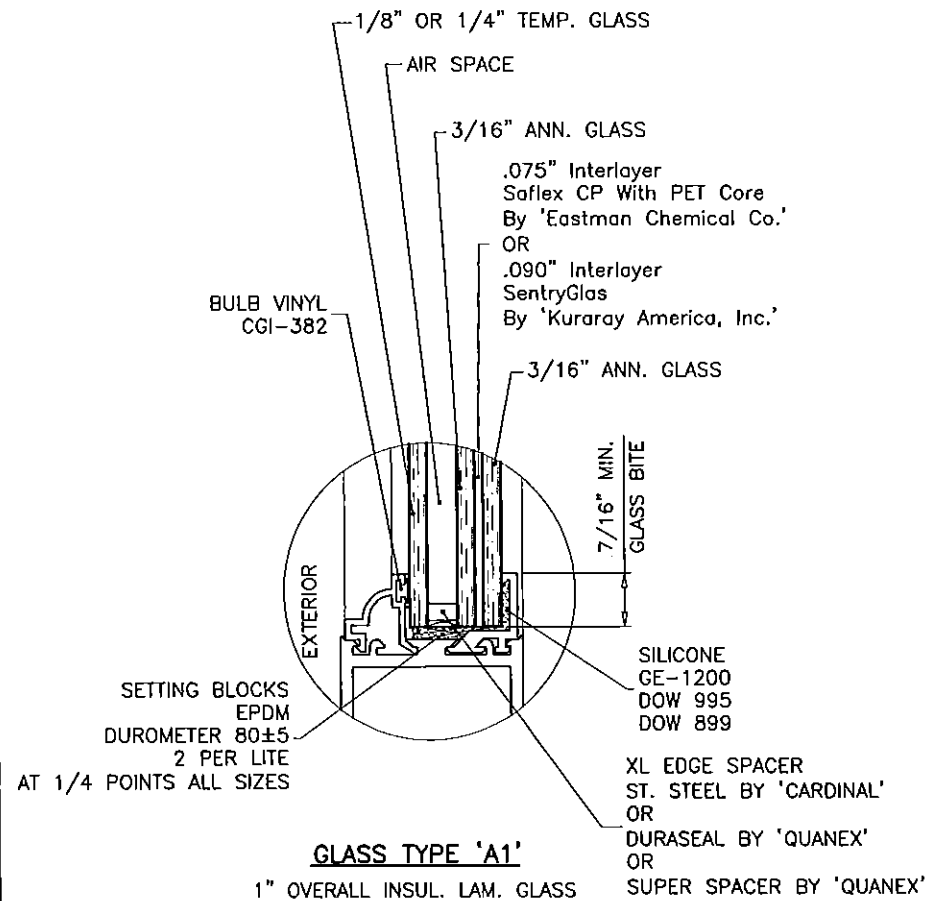


GLASS TYPE 'B'
7/16" OVERALL LAM. GLASS

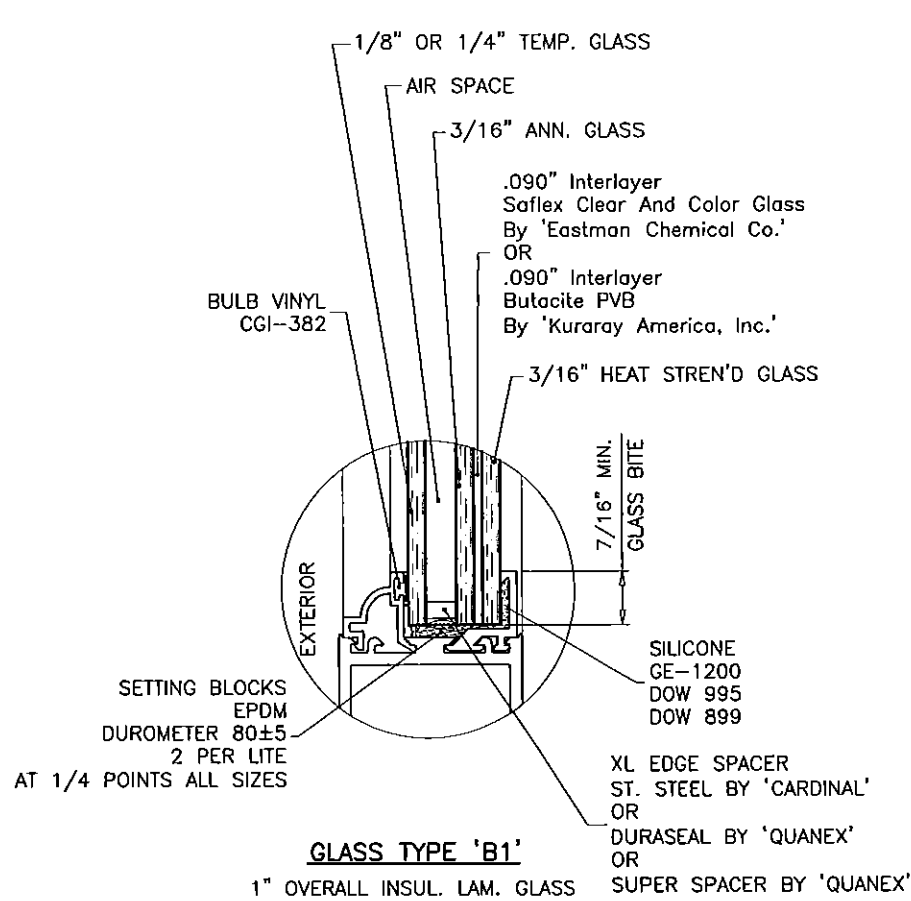


7/16" OVERALL COMPOSITE PANEL

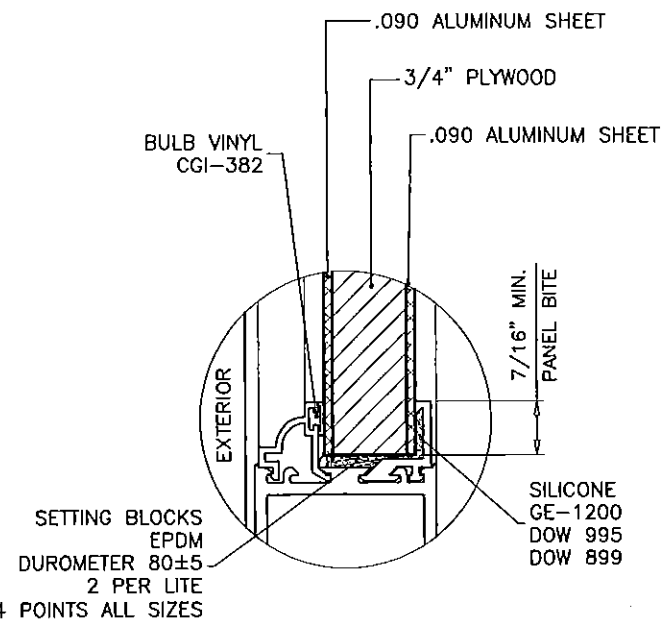
TRANSOMS CAN BE GLAZED USING
SQUARE OR OGEE GLAZING BEADS/ADAPTERS



GLASS TYPE 'A1'
1" OVERALL INSUL. LAM. GLASS



GLASS TYPE 'B1'
1" OVERALL INSUL. LAM. GLASS



1" OVERALL COMPOSITE PANEL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0512.14
Expiration Date Sept. 19, 2016
By *Manuel Perez*
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
MAY 04 2015

GLAZING OPTIONS

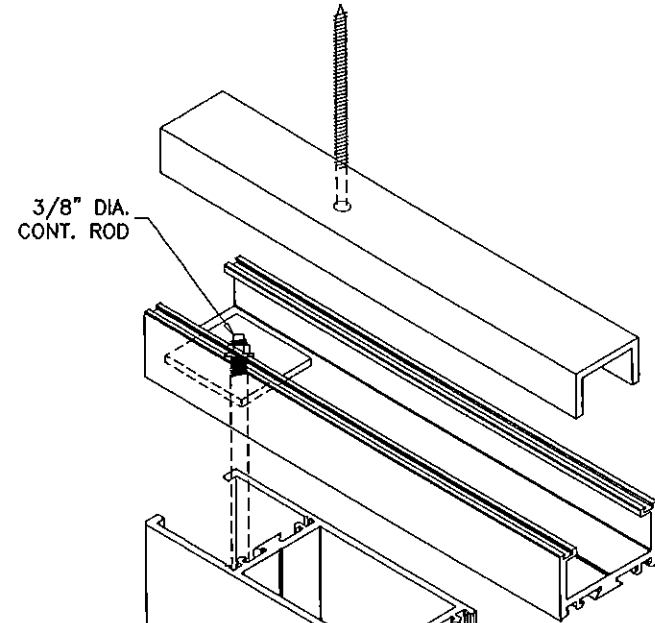
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP - ANL W98-38CGI

TRANSOM LITES FOR SWING DOORS
CGI WINDOWS & DOORS
10100 N.W. 25TH STREET
MIAMI, FL. 33172
TEL. (305) 593-6590 FAX. (305) 593-6592

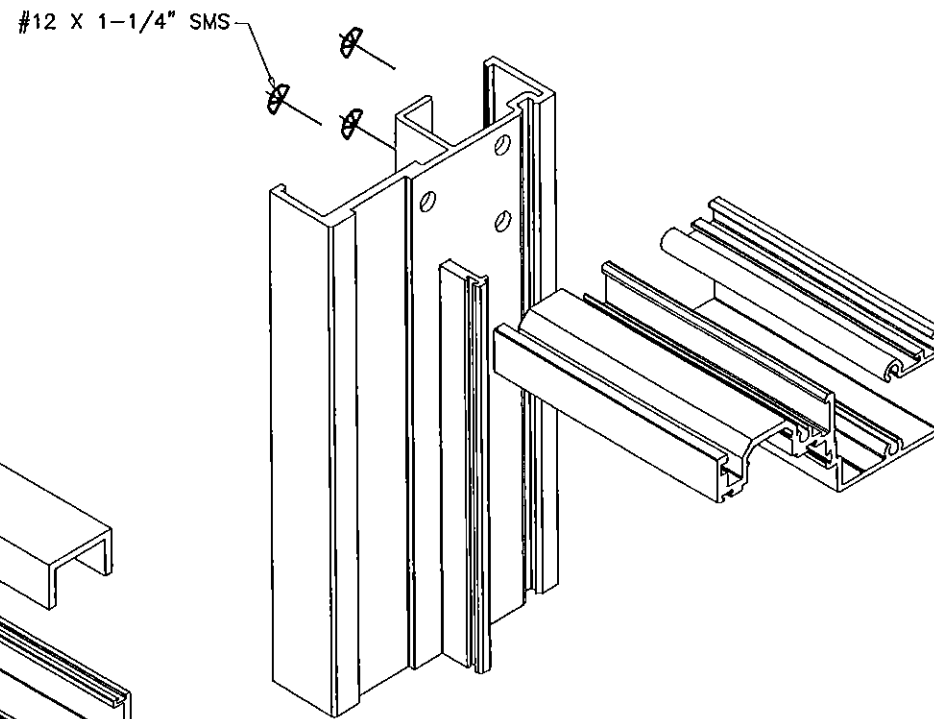
no	date	by	description
G	11.07.11	REV. PER BNC COMMENTS	
H	10.07.14	UPDATED TO 2014 FBC	
I	02.25.15	REV. PER RER COMMENTS	
J	04.10.15	INTERLAYER & SPACER REV.	

date: 05-02-98
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W98-38
sheet 3 of 5

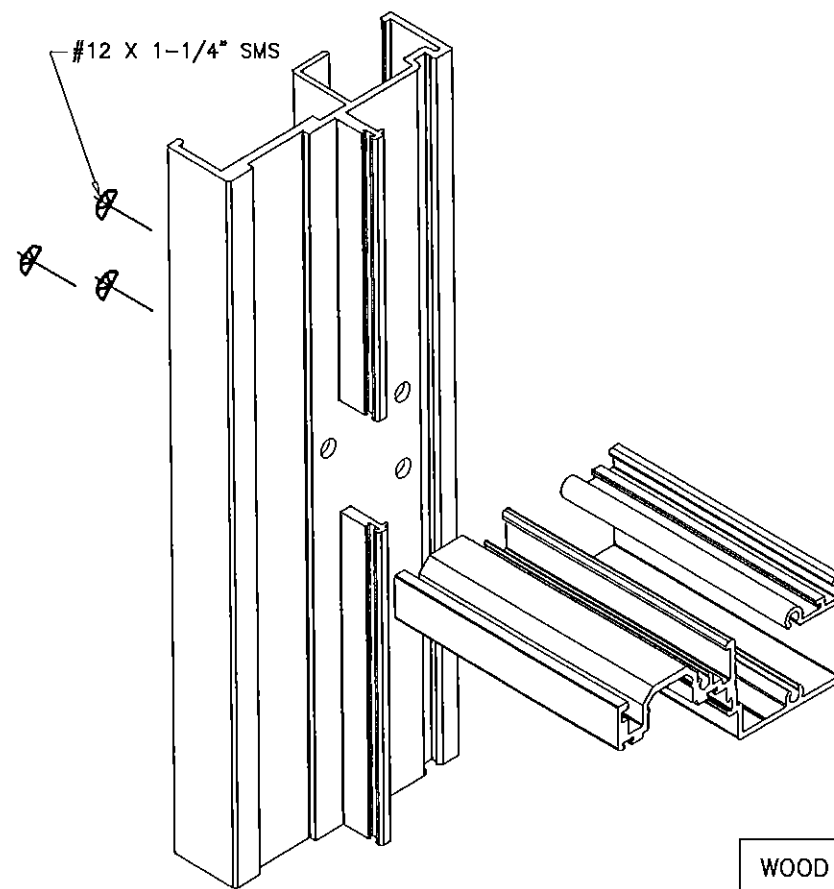


PANEL CORNER DETAIL



FRAME CORNER DETAIL

ALL CORNERS TO BE SEALED WITH LOW MODULUS SILICONE SILPRUF OR EQUIVALENT

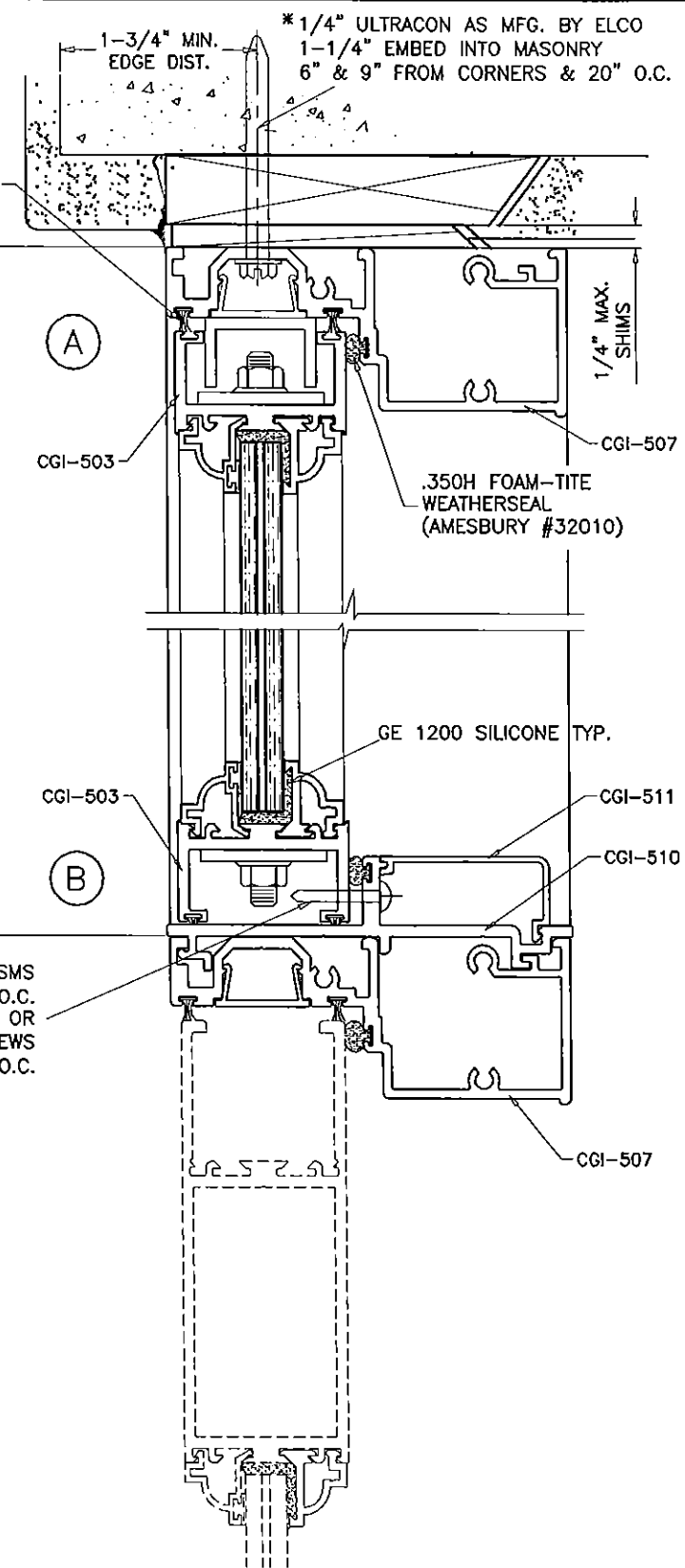


TRANSOM CORNER DETAIL

1-1/2" X 1-1/2" X 3/16"
ALUM PLATE

* NOTE:
ANCHORS MAY ALSO BE
DIRECTLY TO MASONRY
WITH 1/4" MAX. SHIM SPACE

.320H WOOL PILE W/ CENTERFIN
WEATHERSEAL
(ULTRAFAB #3032)



#10 X 1" SMS
@ 6" FROM ENDS & 12" O.C.
OR
3/16 X 1" KWIK-FLEX S.D. SCREWS
@ 6" FROM ENDS & 12" O.C.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0512.14
Expiration Date Sept. 19, 2016

By *Manuel Jerez*
Miami Dade Product Control

MAY 14 2015

WOOD BUCKS NOT BY C.G.I., MUST SUSTAIN LOADS
IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM
TO THE BUILDING STRUCTURE.

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W98-38CGI

TRANSOM LITES FOR SWING DOORS
CGI WINDOWS & DOORS
10100 N.W. 25TH STREET
MIAMI, FL. 33172
TEL. (305) 593-6590 FAX. (305) 593-6592

Revisions:		by	description
no	date		
G	11.07.11	REV. PER BNC COMMENTS	
H	10.07.14	NO CHANGE THIS SHEET	
I	02.25.15	REV. PER PER COMMENTS	
J	04.10.15	NO CHANGE THIS SHEET	

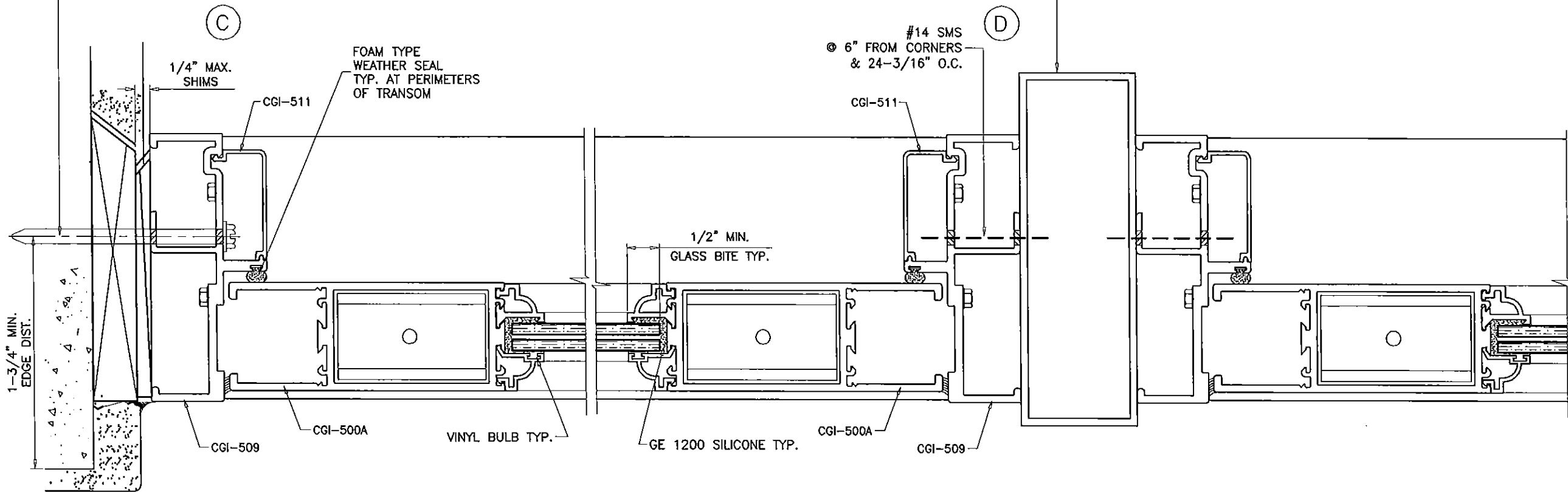
date: 05-02-98
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W98-38

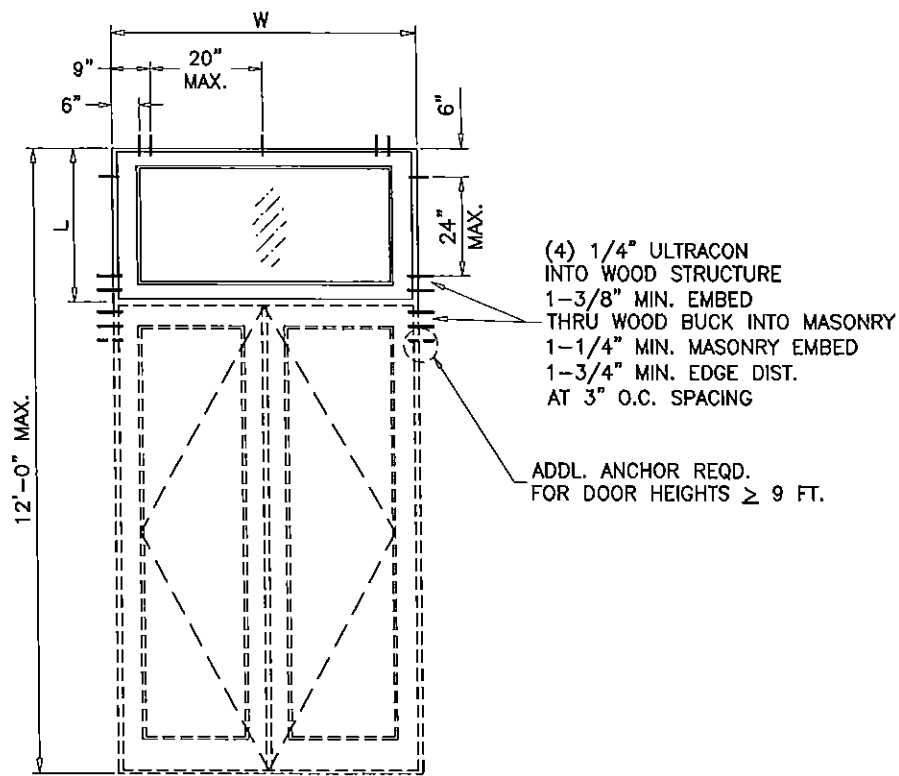
sheet 4 of 5

1/4" ULTRACON
 1-1/4" EMBED INTO MASONRY
 6" FROM CORNERS & 24-3/16" O.C.
 1-3/4" MIN. EDGE DIST.
 (SEE DETAIL BELOW)

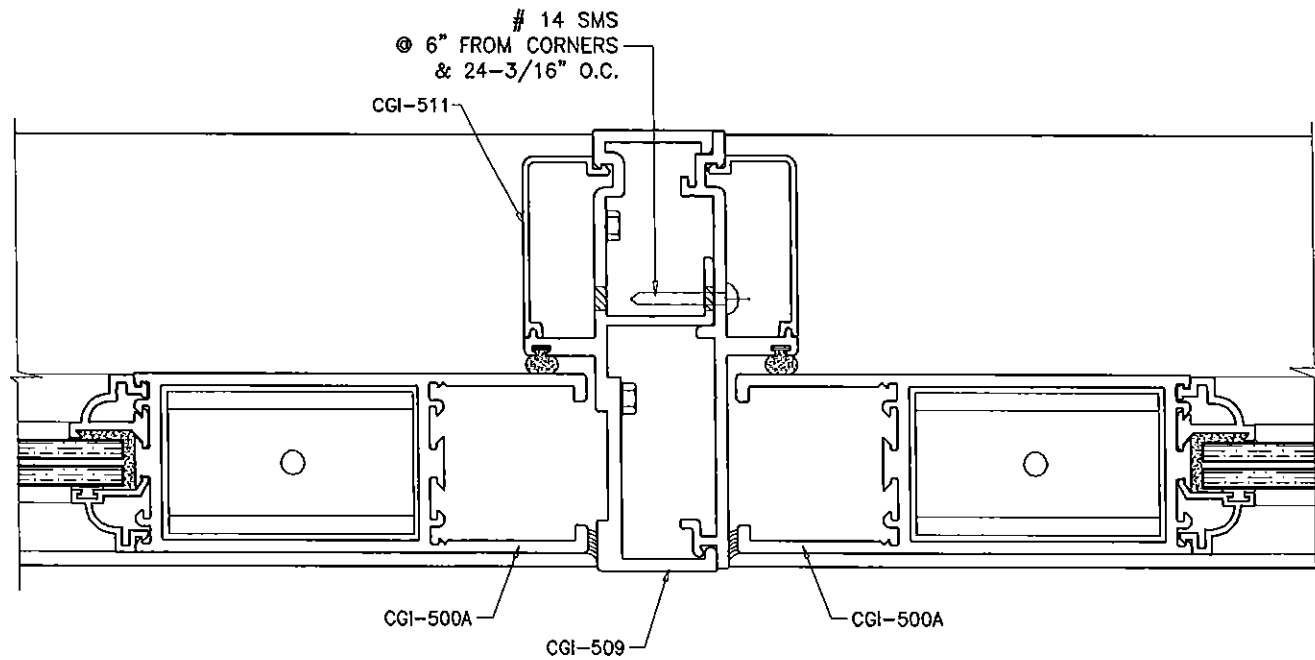
* NOTE:
 ANCHORS MAY ALSO BE
 DIRECTLY TO MASONRY
 WITH 1/4" MAX. SHIM SPACE



EXTERIOR



ANCHORING DETAIL FOR TRANSOM ENDS
 FOR TRANSOMS WITHOUT SIDELITES
 AND XX DOORS BELOW



NOTES:

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 1-3/4" MIN. EDGE DISTANCE INTO CONC. & MASONRY
 3/4" MIN. EDGE DISTANCE INTO WOOD
 CONCRETE f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
 MAY 04 2015

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 15-0512.14
 Expiration Date Sept. 19, 2016
 By: *Manuel Perez*
 Miami Made Product Control

af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W98-38CGI

TRANSOM LITES FOR SWING DOORS
CGI WINDOWS & DOORS
 10100 N.W. 25TH STREET
 MIAMI, FL 33172
 TEL. (305) 593-6590 FAX. (305) 593-6592

revisions:	no	date	by	description
	G	11.07.11	REV. PER BNC COMMENTS	
	H	10.07.14	NO CHANGE THIS SHEET	
	I	02.25.15	REV. PER PER COMMENTS	
	J	04.10.15	NO CHANGE THIS SHEET	

date: 05-02-98
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:
 drawing no.
W98-38
 sheet 5 of 5